



LASER SAFETY

at the ALS

POLICY

All lasers and laser systems must be operated in accordance with the American National Standards Institute (ANSI) Z136.1, *Standard for the Safe Use of Lasers*.

SAFETY PLAN

- An approved Activity Hazard Document (AHD) must cover all Class 3b or Class 4 laser operations before the lasers can be used. **ALL** laser users must be included on the AHD.
- The ALS Division Safety Coordinator or Berkeley Lab Laser Safety Officer (LSO) will assist experimenters in developing this plan.
- Copies of the approved AHD must be present at the beamline or experimental station.

TRAINING

- All ALS users of Class 3b and Class 4 laser systems are required to take the online Berkeley Lab Laser Safety course, EHS-280.
www.lbl.gov/ehs/training/courses_onlinel/index.shtml
- It is recommended that non-laser-users in the research group also take the class.

EYE PROTECTION

- Appropriate laser protective eyewear must be worn by all persons within the Nominal Hazard Zone (NHZ) whenever there is an open Class 3B or Class 4 beam. The NHZ is usually considered to be the entire room or lab in which the laser is located.
- The AHD will provide information on the appropriate eyewear to use for each laser.

LASER SETUP

- Must be reviewed by LSO before initial use and/or if approved setup is modified.

FOR MORE INFORMATION

Berkeley Lab LSO – Ken Barat (x2544)

ALS User Advisory 6:

Laser Safety Policies for Class 3b and Class 4 Lasers

www-als.lbl.gov/als/user-advis/06-laser_safety.html

Berkeley Lab Health and Safety Manual:

Lasers

www.lbl.gov/ehs/pub3000/CH16.html